Westinghouse

USER'S MANUAL

MANUEL DE L'UTILISATEUR

MANUAL DEL USUARIO

PT-16H610S

LCD TV

www.wde .com

Westinghouse Digital Electronics
Santa Fe Springs, CA

SE-UM-1603-0701

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English

Español

Français

IMPORTANT SAFETY AND PRECAUTIONS

English

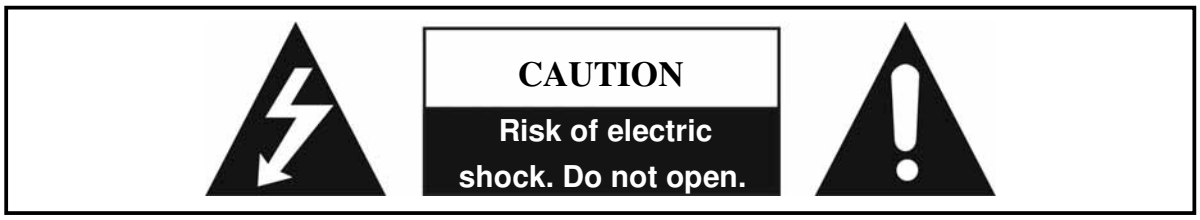
Español

Français

This wide active matrix TFT (thin film transistor) liquid crystal monitor is designed for use as a stand alone TV as well as a display device for video electronics appliances and personal computers.

Important Information

Warning : To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.



The symbol is intended to alert the user to presence of un-insulated ”Hazardous Voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The symbol is intended to alert the user that improper use of the product may result in product malfunction. The user should pay attention to avoid accidents or unnecessary problems.

Caution :To reduce the risk of electric shock, do not attempt to disassemble or modify this device. There are no user-serviceable parts inside. Refer any service issues to qualified service personnel.

Caution : FCC/ CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws. Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

Warning : Do not leave stationary images, patterns, PIP windows, or letterbox images on the screen for prolonged periods of time as this may result in permanent damage to the LCD panel. This type of damage is not covered under warranty. The following are examples of, but not limited to, potentially hazardous display output: side bar images, video game patterns, closed captioning, channel logos and letterbox black bars. To prevent this type of damage, it is recommended to display constantly moving images that fill the screen as often as possible.

According to industrial standards for LCD display technology; there are a certain number of allowable defective pixels. Although we produce panels with more than 99.9% active cells, there still may be some cells that do not produce light or remain constantly lit. For further information, please contact sales or technical support.

Safety Precautions

1. Cleaning : Unplug the power cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.

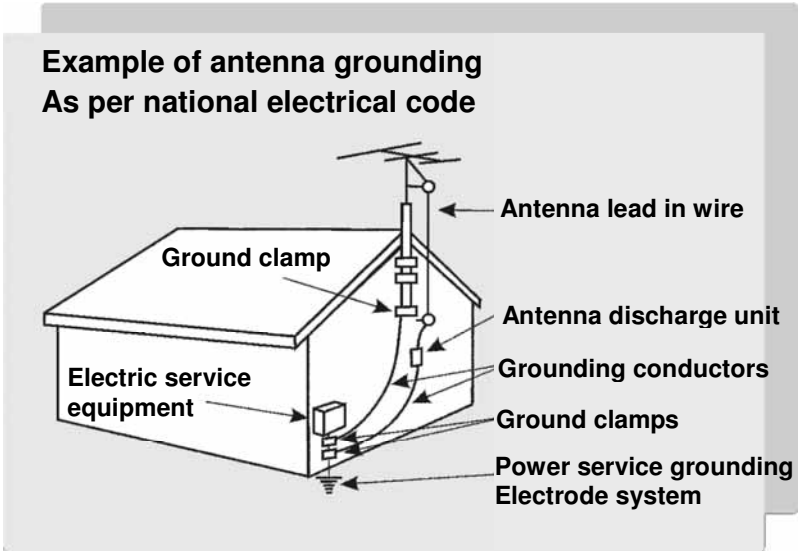
2. Water and moisture : Do not use the product near water or areas of high moisture content such as swimming pools, bathtubs or wet basements.

3. Ensure that no water droplets remain on the screen. Water can cause permanent discoloration.

4. Heat sources : Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).

5. For added protection during a lightning storm or for extended periods of non-use, unplug the power cord from the wall outlet and disconnect the antenna (if used). This will prevent damage to the product due to power line surges.

6. If an outside antenna is connected to the product, make sure the antenna is properly grounded so as to provide some protection against voltage surges.
(Coaxial connector shielding from cable distribution system should be probably earthed.)



7. Stand : Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Use only mounting hardware recommended by the manufacturer.

8. Use care when moving the product on a rolling cart. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

9. Ventilation : The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings as insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surfaces since they can block ventilation openings. This product was not designed to operate in an enclosed environment. Don't place the product in an enclosed space such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

10. The LCD panel used in this product is made of glass. Therefore, it can break if the product is dropped or struck.

11. During the LCD panel lifespan it is normal for a few pixels to become defective. Non-active pixels may appear on the screen as fixed points of red, blue or green. Refer pixel policy questions to the reseller for further clarification on acceptable loss.

12. An outside antenna system should not be located in the vicinity of overhead power lines or other electrical conduits. When installing an outside antenna, use extreme caution to prevent the antenna from coming into contact with said items, as contact with them may be fatal.

Important Safety Instructions

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided by your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug the apparatus during lightening storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in an way, such as power-supply cord is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has dropped.

GENERAL INFORMATION

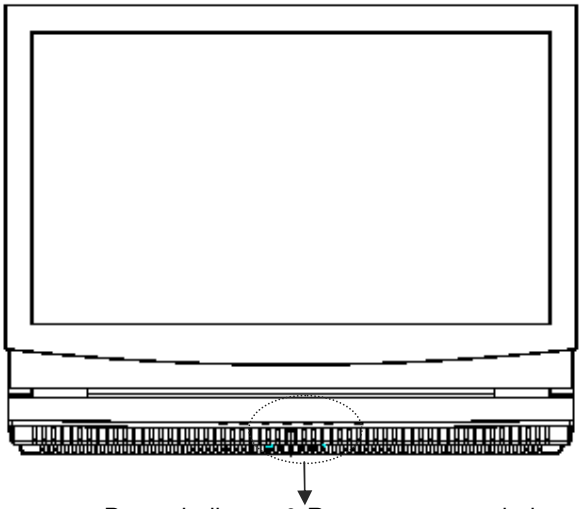
Feature

Your TV is designed with the latest technology and is a high-performance unit that includes the following special feature :

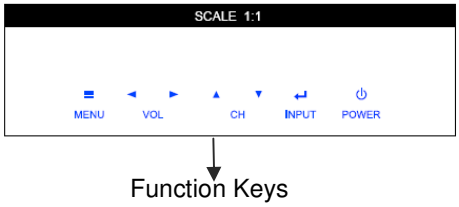
- Multi-sources input included RF IN, D-SUB, HDMIx2, Compositex2, and Componentx1.
- Built-in combo tuner is able to receive ATSC, NTSC and Clear QAM Cable signals.
- Built-in 10W dual channel speakers.
- Embedded video enhance and noise Reduction features for the colorful and clearest picture possible.
- Provided multi-channel sound decoder for stereo and bilingual broadcasts.
- Automatic sleep timer control.
- Component video input for high definition TV programming (HDTV ready), resolution up to 720p, 1080i.

Controls and Ports of the Panel

Front Panel Views



Power indicator & Remote sensor window



Function Keys

FUNCTION KEYS

1. **MENU (■)** : Display the main menu. When OSD is appeared, press the button to select or access the sub-menu.
2. **VOLUME (◀ / ▶)** : Decrease/Increase the volume or be the left/right arrow button for menu.
3. **CHANNEL (▲ / ▼)** : Change the channel or be the up/down arrow button for menu.
4. **INPUT** (↵) Select the input source (TV, Video, HDMI).
5. ⏻ **POWER** : Turn the LCD-TV on or off.

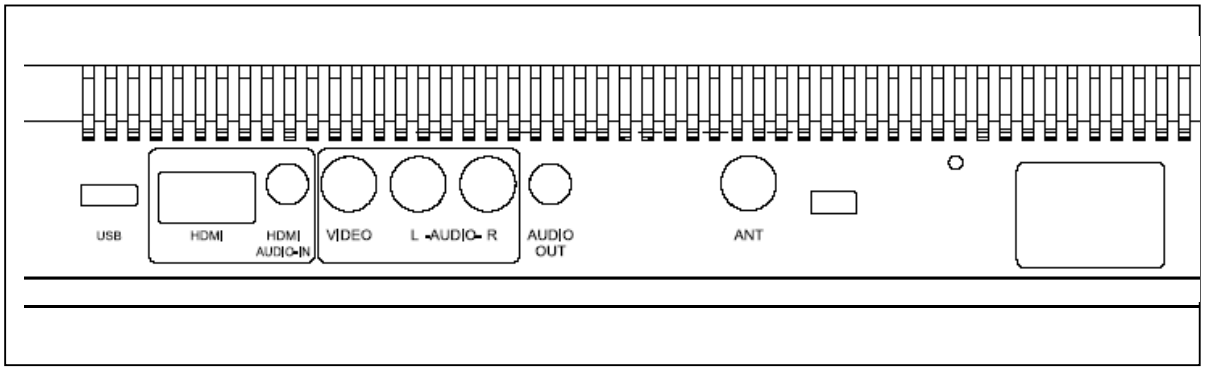
REMOTE SENSOR WINDOW : aim the remote control towards this spot on the TV.

POWER INDICATOR : WHITE LIGHT — power on
AMBER LIGHT — power sleep
EXTINGUISHED — power off

NOTE 1 : These buttons control the basic features of your TV, including the on-screen menu. To use advanced features, you must use the remote control.

NOTE 2 : The picture of LCD TV display is for reference only.

Back Panel Views



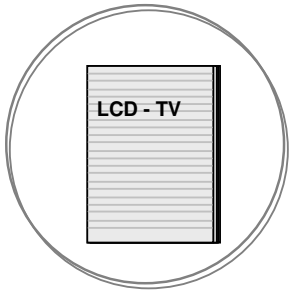
1. Service USB
   Factory service port
2. HDMI input
   Connect to an external video device such as HD digital cable/satellite receiver, HD STB, Media center PC, or DVD player
3. HDMI Audio input(R/L)

   Connect the audio input if you using a DVI-to-HDMI converter.
4. Video input

   Connect the Composite video to a legacy video such as a VCR or video game system.
5. Video Audio input
   Connect an external audio source to this jack.
6. Audio output(R/L)
   Connect this output to an external stereo audio amplifier, receiver or surround sound processor with R/L audio inputs.
7. ANT.(RF input)
   Connect the LCD TV to an over-the-air antenna or cable service to view NTSC and ATSC(HDTV) content.
8. AC power in

   Connect power cable to AC inlet.

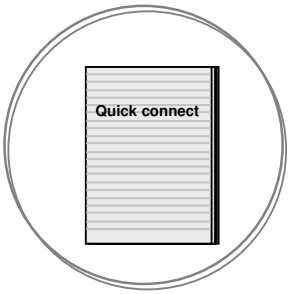
Accessories



User's Manual

Remote Control & Batteries

Power Cord



Quick Connect Guide

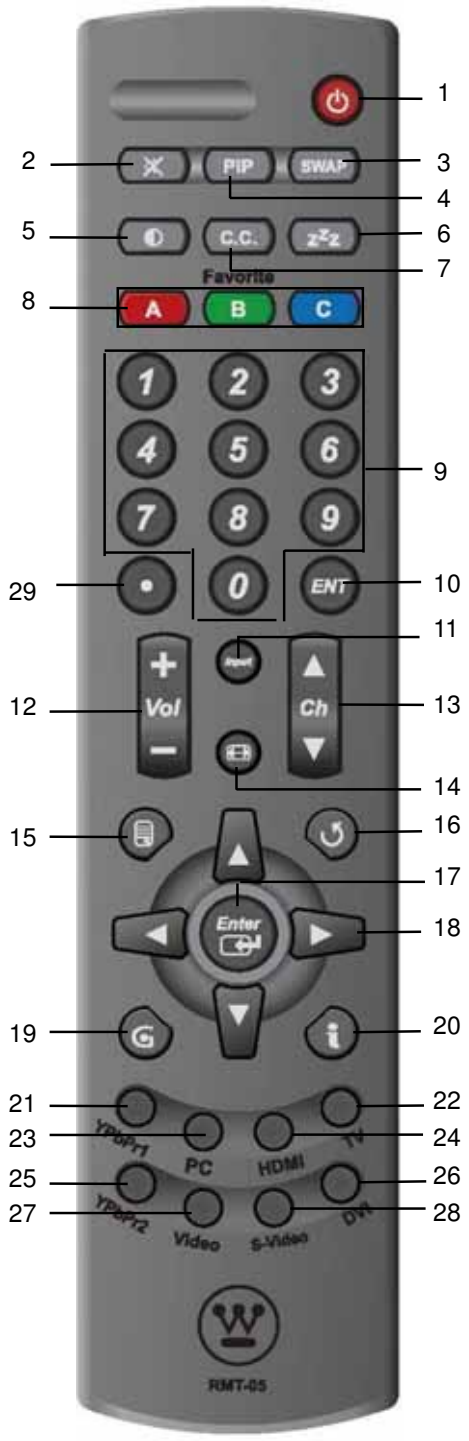
Warranty Card

English

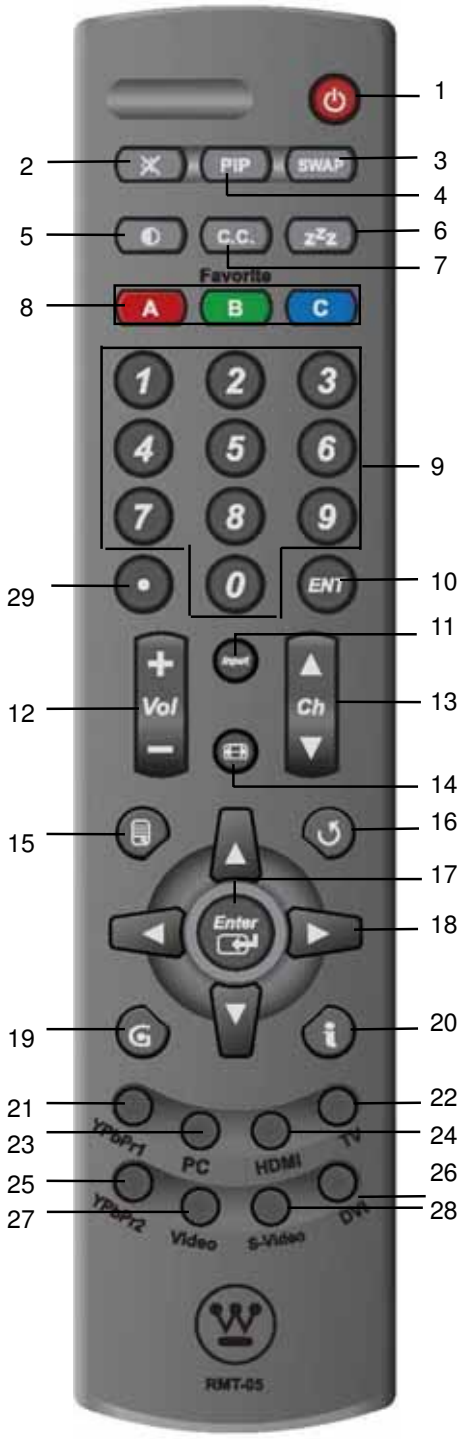
Español

Français

Remote Control



1	**Power**
	Switch TV power on/off.
2	**Mute**
	Turn the sound on/off.
3	**Swap**
	No support
4	**PIP**
	No support
5	**Backlight**
	Adjust the LCD Backlight level
6	**Sleep**
	Press to select a preset time interval for automatic power down.
7	**CC**
	Press to enable or disabled closed caption.
8	**Favorite**
	Select, remove or add your favorite channel. Press Favorite(A, B, C)key to access favorite list. Use arrow keys and enter key to select, add or remove the channel from favorite list.
9	**Channel number keys**
	Select specific channel.
10	**Enter**
	Execute a command.
11	**Input**
	Select input source.
12	**VOL +/-**
	Volume Up/Down adjustment.
13	**CH ▲/▼**
	TV channel Up/Down adjustment.
14	**Screen Fit**
	Select video display format “Standard” or “Fill”.
15	**Menu**
	Display the User setup menu.
16	**Return**
	Switch to previous TV channel or previous video input
17	**Enter**
	Execute a command.
18	**▲/▼/◄/►**
	OSD menual control(▲/▼:TV channel Up/Down;◄/►:Volume Down/Up)



19	
20	**Info.**
	Display the source and channel information.
21	**YPbPr1**
	Not available
22	**TV**
	Select TV(NTSC/ATSC) source input.
23	**PC**
	Not available
24	**HDMI**
	Select HDMI input.
25	**YPbPr2**
	Not available.
26	**DVI**
	Not available.
27	**Video**
	Select Video input.
28	**S-Video**
	Not available.
29	**Dot button(NOTES)**
	Quicker access to all the available virtual channels

NOTES

- **Dot :** The Dot Drop List is menu list of all the virtual channels available on the current physical channel for the user to select. The user can utilize this function for quicker access to all the available virtual channels instead of channeling through each channel.

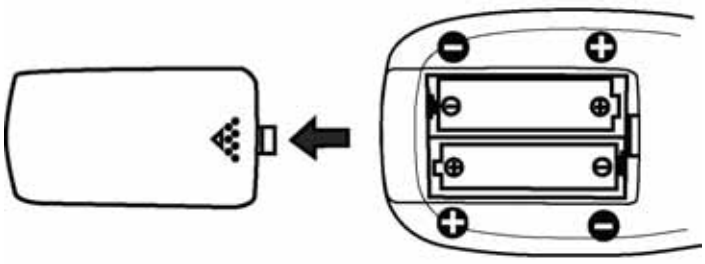
Key command	Function
Dot	Open dot list menu
Up	Move point to previous virtual channel
Down	Move point to next virtual channel
Left	Close dot list menu
Enter	Select and change current channel to points' channel

INSTALLATION AND FUNCTION ADJUSTMENT

Installation

1. Insert Batteries into Remote Control

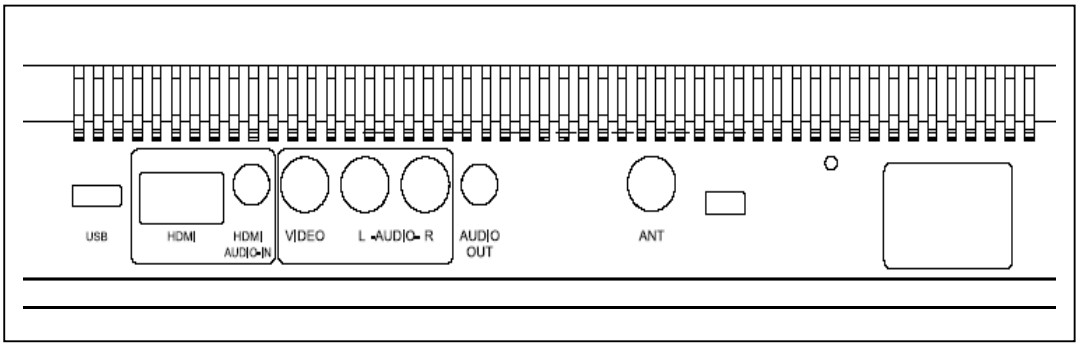
1) Remove the battery cover.
2) Insert two size AAA batteries corresponding to (+) and (-) marks on the battery compartment.

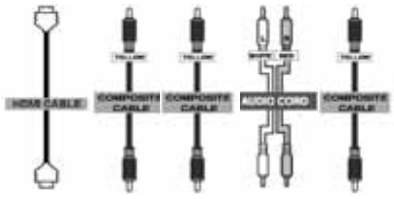


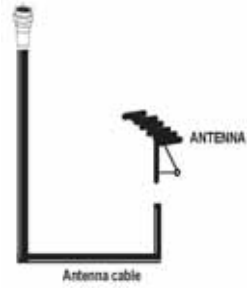
CAUTION

- Only use AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Insert batteries according to (+) and (-) markings. Inserting the batteries incorrectly may result in cracking or leakage, which may pose a fire risk or lead to personal injury.
- Dispose of used batteries in accordance with local laws and regulations.
- Keep batteries away from children and pets.
- When the remote control will not be used for an extended period, remove the batteries.

2. Connections







3. Connect power cables

Connect the power cord to the LCD TV then to a proper AC outlet.

IMPORTANT: The power input voltage for TV is 120Vac, before beginning; make sure all devices are turned off.

4. Turn Power On

Press the power button on the right side of the LCD TV, or press the power (Red) button on the remote control.

5. Select input source for the LCD TV using the OSD menu or remote control direct select buttons

6. If connecting to Antenna, Cable or other RF source on TV inputs:

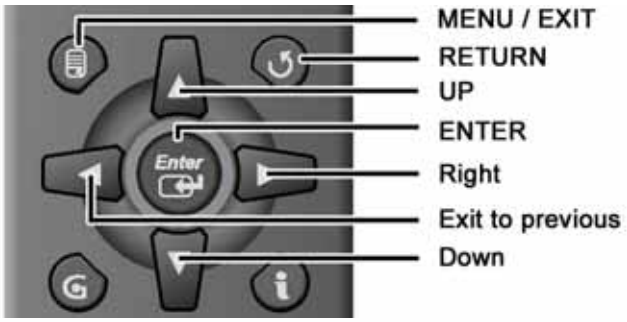
See page 19 to scan and edit available channels.

Function adjustment

There are four main Setup Menus; these are Settings, Channels, Locks and Guide. All the functions can be adjusted either by the remote control or by using the control keys on the LCD TV's right side.

Viewing OSD Menu

To display the main menu, press the Menu button on the right side of front control keys of the LCD TV or the MENU key on the remote control. Press arrow keys to select desired OSD menu and Enter key to select desired setting. Press the Return or Menu button to return back previous menu.



Video

Video settings:

Press arrow keys to select or adjust your favorite picture settings.

Preset

Choose among different preset adjustments for TV picture.

Movie / Sports / Game / Enhanced / User

Contrast

Press arrow keys to adjust the contrast.

Brightness

Press arrow keys to adjust the brightness.

Sharpness

Press arrow keys to adjust the Sharpness.

Hue

Press arrow keys to adjust the Hue.

Saturation

Press arrow keys to adjust the Saturation.

Color Temp.

Press arrow keys to select or adjust your preferred color temperature settings.

Warm / Neutral / Cool / User

Screen Size

Adjust your TV screen to handle different picture formats.

Standard / Fill / Overscan

Advanced

Need to change picture

Backlight

Press Enter to adjust backlight.

Reset

Press Enter to reset picture settings to factory defaults.

Audio

Bass / Treble / Balance

Use arrow keys to adjust the treble, bass, and balance.

Digital Preference

Select language preference for digital channels.

English / Francais / Espanol

Analog Preference

Select an analog audio preference if TV signal is analog.

Stereo / SAP / Mono

TV Speaker

Press arrow key to adjust your favorite balance setting.

Internal: For internal speaker

External: For Line out

Mixed: Internal and External.

Audio Only

Press arrow keys to select ON or OFF.

Reset

Press Enter key to recover the default audio setting.

Time

Sleep Timer(Off, 15Min, 30Min, 60Min)

Set the sleep time to turn off TV.

OFF / 15 Min / 30Min / 60Min

Time Zone

Press arrow keys to select time zone.

Pacific, Alaska, Hawaii, Eastern, Atlantic, Central, Mountain

DST(Daylight Saving Time)

Press arrow keys to select ON or OFF.

Auto Sync

Press arrow keys to select ON or OFF

Auto-update Time.

Clock

Set date and time.

Auto wake

Press arrow keys to set automatic auto wake time.

Settings

Need to change picture

Menu Setting

Menu Language

Use arrow keys to adjust Menu Language

English / Francais / Espanol

OSD Time Out

Use arrow keys to select 15,30,45,60 sec.

OSD Transparency

Press arrow keys to select your preferred setting.

Off / Low / Middle / High

Closed Caption

Activation

Press arrow keys to select your preferred setting.

CC off / CC on / CC On when muted

Basic Selection

Choose the type of closed caption settings to use for programs broadcast with basic caption.

CC 1/CC 2/CC 3/CC 4/Text 1/Text 2/Text 3/Text 4

Advanced Selection

Advanced CS1/Advance CS2/ Advance CS3/ Advance CS4/ Advance CS5/ Advance CS6

Advanced Appearance

Use arrow keys to adjust closed caption appearance such as font and size, each change can be previewed on bottom of menu.

Input Labels

Press arrow keys to select your preferred default or custom of input labels.

Need to change picture

Autosource (ON, OFF)

Autosource will detect a new incoming signal and automatically switch the input source to the connection of the new source's device.

Power Management

Set TV power saving modes

(Normal/quick boot-up time, but large power consumption; Energy saving/longer boot-up time, but small power consumption.)

DPMS Mode

Press arrow keys to select your preferred setting.

OFF / 5 Sec / 10 Sec / 15 Sec

Power On Plug

Set TV power on memory when un-plug power cord and re-plug it.

(On/ Off/ Last Power Setting)

Power Management

Press arrow keys to select Normal or Energy Saving.

Power LED

Press arrow keys to select ON or OFF.

Reset

System Info

Display important system info, you may need the information when calling customer service or troubleshooting such as firmware version.

Source ID/Resolution/Firmware Version/Model Number

Advance (For Software Upgrade)

Rotate Video

Press arrow keys to enable image flip.

Reset

Press Enter key to select recover the default setting or not.

Restore Default

Pin Entry (Reset your TV to factory settings.)

LOCK

Lock feature prevents viewers from watching programs that are not age-appropriate, such as programs containing violence or adult language.

Change Password

The pin number is required when you want to enter Locks menu, just use the remote control to key in your pin number. The factory default pin number is 0000.

System Lock

Unrated Lock

Press arrow keys to select ON or OFF.

Input Block

Block TV/AV/HDMI sources

USA

USA-TV

TV Y	All children
TV Y7	For older children
TV G	General audience
TV PG	Parental guidance suggested
TV 14	Parental strongly cautioned
TV MA	Mature audience only

USA-Movie

G	General audience
PG	Parental guidance suggested
PG-13	Parental strongly cautioned
R	Restricted

NC 17	No on 17 and under admitted
X	Adult audience only

Canada

Canada-English

G	General programming, suitable for all audience
8 ans+	Children eight years and older
13 ans+	Viewers 13 year and older
16 ans+	Viewers 16 year and older
18 ans+	Adult programming

Canada-French

C	Children
C8+	Children eight years and older
G	General programming, suitable for all audience
PG	Parental guidance
14+	Viewers 14 year and older
18+	Adult programming

Front Panel Lock

Press Enter to enable or disables the Front Panel buttons as below.

Channel

Antenna

Press arrow keys to select Air or Cable for your TV signal.

Auto Scan

Press arrow keys to select scan available channels

Scan All / Digital Only / Analog only

Favorite List

To display which channels have been set for Favorites.

Channel List(Show / Hide)

To show and hide specific channel for Digital Only / Analog Only / Custom / All / None.

Channel NO.

To display channel.

Channel Label

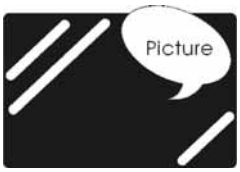
Press arrow keys to channel and press arrow keys to edit the channel name.

TROUBLESHOOTING

There is no picture or sound.

- Make sure the AC adapter is connected.
- Verify that there is a valid source signal.
- Make sure the correct input mode is selected.

There is no picture from AV.

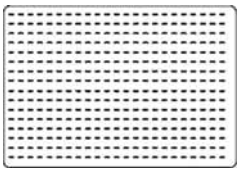


- Make sure the BRIGHTNESS is properly adjusted.
- The florescent lamp may have reached the end of its life. Contact an authorized service center.
- Make sure the video source is plugged into the composite video-in port.

There is no sound.

- Make sure the volume is not set to minimum.
- Make sure the sound is not muted

There is no picture or sound, just noise.



- The source signal may be weak.
- Your provider may be experiencing difficulties.
- Check your input connections.

Picture is not clear.

- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

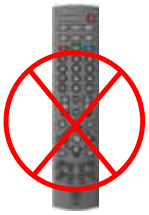
Picture is light or improperly tinted.

- Check the Hue, Saturation and Color adjustments.
- Reset the TV to the factory default settings.

The picture is too dark.

- Select a different Video Preset mode.
- Check the Brightness of Picture Settings.
- The fluorescent lamp may have reached the end of its life. Contact an authorized service center.

Remote control does not work.



- Install new batteries.
- Make sure the remote sensor window isn't blocked.
- Make sure the system is in the right mode (TV / VCR / CBL / AUX)

There are stripes on the screen or colors fade.

- There may be interference from other appliances.
- There may be interference between the video source cable and the power cable.
- Make sure the power and video cables are not touching. Check the Hue, Saturation and Color adjustments

The picture is not sharp.

- The signal source may be weak.
- The provider may be experiencing difficulties.
- Check input connections.
- Check the Sharpness of Picture Settings.

The picture moves.

- The source signal may be weak.
- The provider may be experiencing difficulties.
- Check input connections.

The picture is doubled or tripled.

- The source signal may be weak.
- Check input connections.

The picture is spotted.

- There may be interference from other appliances nearby or around the LCD TV.

PRODUCT SPECIFICATION

ITEMS		LCD - TV	
Panel	Screen Size	16” LCD Panel	
	Aspect Ratio	16：9	
	Resolution	1366 x 768	
	Display colors	16.7M colors	
	Viewing Angle (CR>10)	178° Hor. / 178° Ver.	
TV Function	Broadcasting System	Analog : NTSC M / N	Digital : ATSC/Clear QAM
	Receiving Channel	Analog : PLL181Ch., CATV 125Ch	Digital : 54M Hz~864M Hz
	Sound System	Analog : Multi-channel TV Sound	Digital : Multi-Track Sound
	Resolution	Analog : 480i	Digital : 1080i, 720p,480p, 480i
	Data Broadcasting	Close Caption , V - Chip	
Video Input	Composite Signal	Video	x 1
	HDMI Connection	HDMI	x 1
Audio Input	Audio 1	Composite	
	Audio 2	HDMI to DVI & PC jack in	
Audio Output	Speaker (build-in)	2W + 2W (Average)	
	RCA Out	Left / Right	
Feature	Function Keys	Power , Input , Menu , Up/Down(Channel) , left/right(Volume)	
	Other Control	Sleep Timer, Timer On, Timer Off/Rotate Video	
Power	Power Supply	AC 100V ~240V , 50 / 60Hz	
	Power Consumption	< 75 W	
Dimension Weight (net)	W x H x D	15.06"(382.5mm)x10.96"(278.5mm)x3.38"(86mm)	
	Without Accessories	3.5 kg	